

Number, Ranking & Time Sequence Test

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Number Test

1. How many 4's are there preceded by 7 but not followed by 3?

5 9 3 2 1 7 4 2 6 9 7 4 6 1 3 2 8 7 4 1 3 8 3 2 5 6 7 4
3 9 5 8 2 0 1 8 7 4 6 3

(a) Four

(b) Three

(c) Six

(d) Five

Answer: Explanation:

7 4 2

7 4 6

7 4 1

7 4 6

Only at these places 4 is preceded by 7 but not followed by 3

Hence, **option (a) Four** is the correct answer.

2. How many such pairs of digits are there in the number 421579368 each of which has as many digits between them in the number as when they are arranged in ascending order?

- (a) None (b) One (c) Two (d) Three

Answer: Given Number: 4 2 1 5 7 9 3 6 8

Ascending order: 1 2 3 4 5 6 7 8 9

Hence the required pairs are **(1,2)** **(4,9)** **(1,6)**

Hence, **option (d) Three** is the correct answer.

3. How many such digits are there in the number 7346285 which are as far away from the beginning of the number, as they will be when arranged in ascending order within the number?

- (a) None (b) One (c) Two (d) Three

Answer: Given Number : 7346285

Ascending Number : 2345678

Answer is Two. Those digits are 3,4

Hence, **option (c) Two** is the correct answer.

4. Count each 7 which is not immediately preceded by 5 but is immediately followed by either 2 or 3. How many such 7's are there?

5 7 2 6 5 7 3 8 3 7 3 2 5 7 2 7 3 4 8 2 6 7 8

- (a) Two (b) Three (c) Four (d) Five

Answer:

3 7 3 2 7 3

Only at these places 7 is not preceded by 5 but followed by 2 or 3

Hence, **option (a) Two** is the correct answer.

5. Count each 1 in the following sequence of numbers that is immediately followed by 2, if 2 is not immediately followed by 3. How many such 1's are there?

1 2 1 3 4 5 1 2 3 5 2 1 2 6 1 4 5 1 1 2 4 1 2 3 2 1 7 5 2 1 2 5

(a) 2

(b) 4

(c) 5

(d) 7

Answer:

1 2 1

1 2 6

1 2 4

1 2 5

Only at these places 1 is followed by 2 and 2 is not followed by 3

Hence, **option (b) 4** is the correct answer.

Ranking Test

6. Raman ranked sixteenth from the top and twenty ninth from the bottom among those who passed an examination. Six boys did not participate in the competition and five failed in it. How many boys were there in the class?

(a) 35

(b) 45

(c) 50

(d) 55

Answer:

Number of boys who passed = $(16 + 29 - 1) = 44$

Total number of boys in the class = $44 + 6 + 5 = 55$.

Hence, **option (d) 55** is the correct answer.

7. Murugan is sixth from the left end and Prasanna is tenth from the right end in a row of boys. If there are eight boys between Murugan and Prasanna, how many boys are there in the row?

- (a) 21 (b) 23 (c) 24 (d) 25

Answer:

Clearly, number of boys in the row = $(6 + 10 + 8) = 24$.

Hence, **option (c) 24** is the correct answer.

8. In a row of girls, Nithya and Suganya occupy the ninth place from the right end and tenth place from the left end, respectively. If they interchange their places, then Nithya and Suganya occupy seventeenth place from the right and eighteenth place from the left respectively. How many girls are there in the row?

(a) 22

(b) 24

(c) 26

(d) 28

Answer: Since Nithya and Suganya exchange places, so Nithya's new position is the same as Suganya's earlier position. This position is 17th from the right and 10th from the left. Therefore Number of girls in the row = $(17 + 10 - 1) = 26$.

Hence, **option (c) 26** is the correct answer.

9. In a queue of children, Arun is fifth from the left and Suresh is sixth from the right. When they interchange their places among themselves, Arun becomes thirteenth from the left. Then, what will be Suresh's position from the right?

- (a) 8th (b) 14th (c) 15th (d) 16th

Answer: Since Arun and Suresh interchange places, so Arun's new position (13th from left) is the same as Suresh's earlier position (6th from right).

So, number of children in the queue = $(13 + 6 - 1) = 18$.

Now, Suresh's new position is the same as Arun's earlier position fifth from left. Therefore Suresh's position from the right = $(18 - 4) = 14$ th.

Hence, **option (b) 14th** is the correct answer.

10. In a queue, Arun is 10th from the front while Mukesh is 25th from behind and Maha is just in the middle of the two. If there be 50 persons in the queue, What position does Maha occupy from the front?

- (a) 17th (b) 18th (c) 19th (d) 20th

Answer: Number of persons between Arun and Mukesh
 $= 50 - (10 + 25) = 15$.

Since Maha lies in middle of these 15 persons, so Maha's position is 8th from Arun i.e. 18th from the front.

Hence, **option (b) 18th** is the correct answer.

11. In a row of girls, Ramya is fifth from the left and Priya is sixth from the right. When they exchange their positions, then Ramya becomes thirteenth from the left. What will be Priya's position from the right?

- (a) 7th (b) 9th (c) 12th (d) 14th

Answer: Ramya's new position is 13th from left. But it is the same as Priya's earlier position which is 6th from the right.

Thus, the row consists of $(12 + 1 + 5) = 18$ girls.

Now, Priya's new position is Ramya's earlier position which is 5th from the left.

Number of girls to the right of Priya = $(18 - 5) = 13$.

So, Priya's new position is 14th from the right.

Hence, **option (d) 14th** is the correct answer.

12. If Ajay finds that he is twelfth from the right in a line of boys and fourth from the left, how many boys should be added to the line such that there are 28 boys in the line?

(a) 13

(b) 14

(c) 16

(d) 20

Answer: Clearly number of boys in the line = $(12 + 4 - 1) = 15$.

Therefore number of boys to be added = $28 - 15 = 13$.

Hence, **option (a) 13** is the correct answer.

13. Students line up in a queue in which Ashok stands fifteenth from the left and Sakthi is seventh from the right. If they interchange their places, Sakthi would be fifteenth from the right. How many students are there in the queue?

(a) 21

(b) 22

(c) 28

(d) 29

Answer: Sakthi's new position is 15th from the right as well as the left end of the row.

Therefore number of students in the queue = $(14 + 1 + 14) = 29$.

Hence, **option (d) 29** is the correct answer.